

# Gigabit Ethernet Switch

## 8x 10/100/1000Base-T, 2x 1000Base-X

### Description

The 8 Port Gigabit Ethernet Switch of MICROSENS with web-based management was developed for today's higher bandwidth demand in office environments. The Two modular transceiver ports (SFPs) of the switch are offering a very high flexibility for Fiber To The Office (FTTO) and Fiber To The Home (FTTH) applications.

The Office Switch has 8 twisted-pair ports included which are adjusting automatically (10/100/1000Base-T auto negotiation) to the speed of the connected end device. Two ports can be configured as uplink ports and are designed as SFP slots and are used for the connection to the central distribution.

A wide range of multimode and single mode SFPs is available. A special feature is the alternative configuration as a media converter. In this configuration two of the eight TP-ports are used together with the two SFP ports as a media converter (2x 1000Base-T/1000Base-X).

### Features

Manageable Gigabit Ethernet Switch for the connection of up to 8 end devices with twisted pair ports to a fiber segment (1000Base-X) according IEEE802.3ab.

- Compact fan less Gigabit Ethernet switch 10/100/1000 Mbps with integrated network management (web based)
- Layer 2 store-and-forward switch, wire-speed, non-blocking, 1 MBit Buffer
- Jumbo frame Support, Max. packet size 9728 Byte
- Data throughput limiting for the local ports (rate limiting)
- Configuration of local port to autonegotiation or manually setting of speed and duplex mode
- Automatic crossing of the twisted pair ports with MDI/MDIX (Auto Crossover)
- 4-level data prioritisation (4 hardware queues): port based (hardware), packet based (802.1Q VLAN-Tag, protocol based (IP DiffServ)
- Portbased VLANs according IEEE802.1Q
- Easy firmware update with FTP upload
- Autonegotiation and Auto-MDIX on all 10/100/1000 Mbps copper ports
- MAC based Trunk with fail over function
- Flow control Support for half- and full-duplex operation
- Broadcast storm prevention
- Port mirroring
- Integrated Power Supply

## Technical Specifications

<b>Type</b>	Manageable Gigabit Ethernet Switch according IEEE 802.3ab	
<b>Connectors</b>	8 x RJ-45 Switch and 1x RJ-45 Management, shielded 2 x SFP Slots 1 x power plug in	
<b>Data rates</b>	Twisted-Pair ports: max. 1 Gbps (10/100/1000Base-T, autonegotiation)	
	SFP-Ports: 1 Gbps (1000Base-X, half-/full-duplex configurable)	
<b>Management</b>	Integrated webserver	
<b>Cable type</b>	Shielded Twisted Pair cable, Category 5	
<b>Max. Segment length</b>	100 m	
<b>LED displays</b>	<i>Power</i>	green, ready for operation
	<i>Diagnose</i>	green on (normal), flashing (error)
	<i>Link Act</i>	Link/activity for SFP-Port
	<i>Lnk/1-8</i>	Link/activity for each TP-port
	<i>Spd 1000</i>	Gigabit Ethernet Link
<b>Power Supply</b>	100-240 V AC, 50/60 Hz / max. 20 W	
<b>Dimensions</b>	252 x 44 x 125 mm (w x h x d)	
<b>Weight</b>	1,3 kg	
<b>Operating temperature</b>	0°C to 50°C	
<b>Storage temperature</b>	-20°C to 85°C	
<b>Rel. humidity</b>	5% to 90% non condensing	

## View



8 Port Gigabit Ethernet Switch (MS453512M)

**Order Information**

<b>Art.-No.</b>	<b>Description</b>	<b>Connectors</b>
MS453512M	8 Port Gigabit Ethernet Switch 8x10/100/1000Base-T, 2x SFP Ports, web based Management, integrated power supply	8x RJ-45 Switch 1x RJ-45 Management 2x SFP Slots 1x power plug in

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